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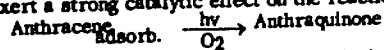
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The oxides and salts used as adsorbents are shown to
exert a strong catalytic effect on the reaction



The intermediate endoperoxide state which is generally
postulated in the case of oxidation in solution probably
does not occur in reactions which take place at the
surface of powders, as shown by analogous measure-
ments with 9, 10-diphenylanthracene. With aluminum
oxide and silica gel as adsorbents, 1,4-dihydroxy-
anthraquinone (Quinizarine) is formed from anthracene
or anthraquinone in continuation of the above reaction.
In this case the catalytic influence of the adsorbents
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